Related Declaration

Trademark Information

- ViTiny® is a registered trademark of T-Plan Technology Co., Ltd. for its portable products.
- T-Plan is an abbreviation and trademark of T-Plan Technology Co., Ltd.
- All the text and diagrams in this User's Manual are designed by T-Plan Technology Co., Ltd. And shall not be used without permission.

Product Information

- Any changes of design and specifications printed afterwards, including the specifications, software, firmware, other associated software and this User's Manual of the main product, shall not be additionally notified. The "User's Manual" is only a general referential description of ViTiny.
- The diagrams of the accessories attached to the product may be different from those appeared in this User's Manual. Please identify the label of ViTiny. The accessories that may easily happened difference include the battery, charger, transformer and supported language system. Should there be queries of the definitions of accessories, please contact the distributor.
- The diagrams of the User's Manual is for describe products only, and those diagrams may be slightly different from the actual designs.
- The manufacturer shall not be liable to any error or difference appeared in the User's Manual.
- For any revised version or software, please refer to our website.

Notes before Use

About Safety

Be sure to use AAA nickel metal hydride battery, alkaline battery or Ni-MH rechargeable battery. Stop to mixed use different kinds of batteries to prevent danger.	
Any battery with battery fluid leakage, rust corrosion, damage or other defective problem is prohibited.	
Do not use this product while you and moving, e.g. when you are driving, walking or taking a plane. To prevent danger, please use it when you are in a static situation.	
This product belongs to an electronic product. Do not use it anywhere with such notice, “Electronic products prohibited” or “Be sure to turn off your electronic product.”	
Keep ViTiny and its accessories out of the child’s reach.	
To prevent danger, do not use ViTiny outdoors in rainy days.	
ViTiny is a Non-waterproof product. To prevent electric shock, do not make ViTiny wet, close to water source or place in any humid place like bathroom.	

When observing an object or living thing, watch the safety of the environment. Do not use ViTiny in dangerous places like cliff, riverside, seaside, etc.	
Keep ViTiny away from chemical, explosive dangerous object or fire. Be sure to turn off ViTiny when you are filling up gas tank at gas station.	
Do not use ViTiny to hit other object, or throw it away or cast it aside.	
Do not dismantle ViTiny for inspection. Only a qualified servicing engineer can open up the shell of ViTiny.	
To prevent danger, do not swallow ViTiny or any of its accessories as they are inedible.	
If there is something or water inside ViTiny, please turn off the power, take out the batteries and unplug the transformer immediately. Any continued use may result in fire or electric shock.	
If ViTiny is fallen or the shell is damaged, turn off the power, take out the batteries and unplug the transformer immediately. Any continued use may result in fire or electric shock.	

About Health

- If you have any of the following symptoms, stop using ViTiny immediately. If the situation persists, seek medical attention immediately.
  - ☑ Hand or arm fatigue, discomfort or ache.
  - ☑ Eye fatigue, dryness or ache.
  - ☑ Dizziness or vision blurred.
- After ViTiny is turned on, do not watch the auxiliary light directly because the white beam injected from the light may hurt the eyes.
- After the transparent shell has contacted a toxic or dirty observed object, do not make it contact human body directly. Dismantle the transparent shell regularly for cleaning (disinfection).

Notes

- Please follow the instructions for turning on ViTiny.
- Install the batteries according to the instructed directions.
- We suggested this product is for children aged above 7 or adult using.
- Please use the peripheral products of the original manufacturer for linking. Do not use any product uncertified by the original manufacturer for linking.
- If ViTiny is required to link to any peripheral product, please refer to requirements of linking. Do not link to any incompatible devices.
- If you find any problem happened to ViTiny, turn off ViTiny and mail to our company at service@t-plan.com.tw or refer our website at www.t-plan.com.tw

Use and Recycle of Battery

- The kinds of battery and the surrounding environmental factors may affect the effects of battery.
- If ViTiny shall not be used for a long time, take out the batteries to prevent corrosion or leakage of battery fluid.
- Do not have mixed use of different kinds of batteries or of old and new batteries.
- Keep the joints of battery clean.
- Watch the electrodes of batteries when installing them. (Refer to Page 9.)
- Handle the used batteries in a proper way. Do not discard them in public garbage station. Handle them appropriately according to the laws of your country.

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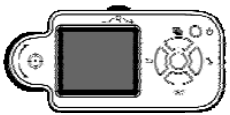
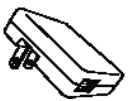
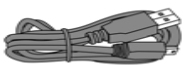
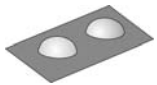
Before Use

Contents of Inspection

Name	Diagram	Qty.
ViTiny		1
Instruction Manual (this book)		1
Adaptor	or 	1
Mini USB Cable		1

Name	Diagram	Qty.
Anti-slide pads		2
Brush wipe		1
AAA Ni-MH rechargeable battery		3
		1

Notices of Accessories

Anti-Slide Pads

They can assist in positioning ViTiny when observing the microscope image. Judge the necessity of sticking the anti-slide pads onto ViTiny according to personal habit of use.

Install Instruction:

- Turn off ViTiny.
- Stick the anti-slide pads onto the circular concave holes on the battery cap.

Brush Wipe

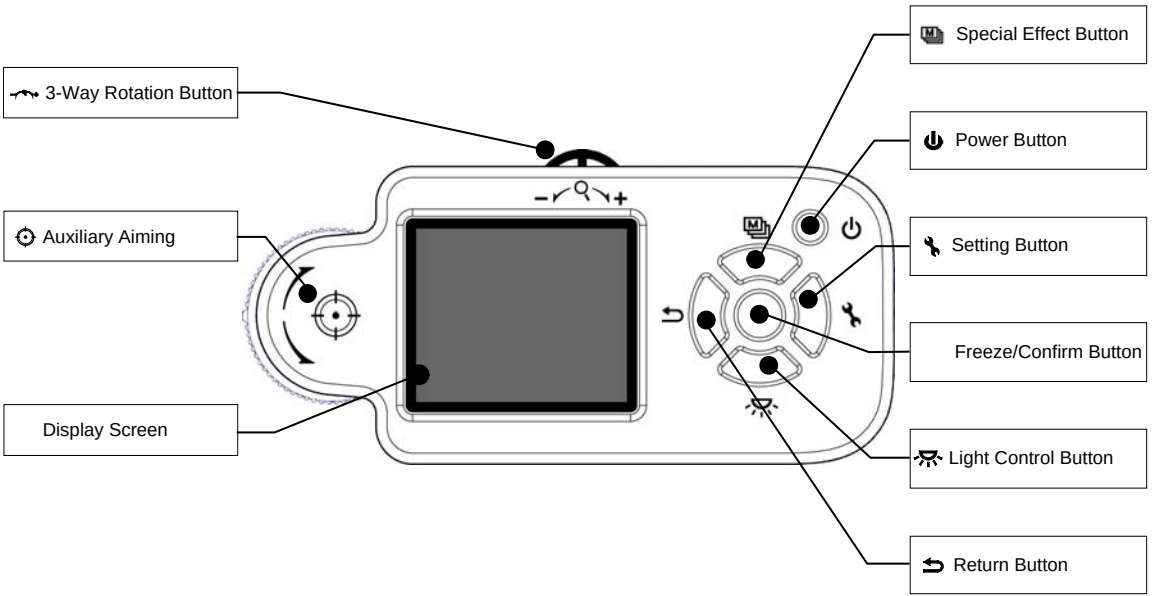
The anti-static treated and super-fine fiber brush wipe attached to ViTiny can effectively remove the fingerprints and smear on ViTiny or the display. It is also designed to clear dust or fine grains.

Brush Wipe introduction:

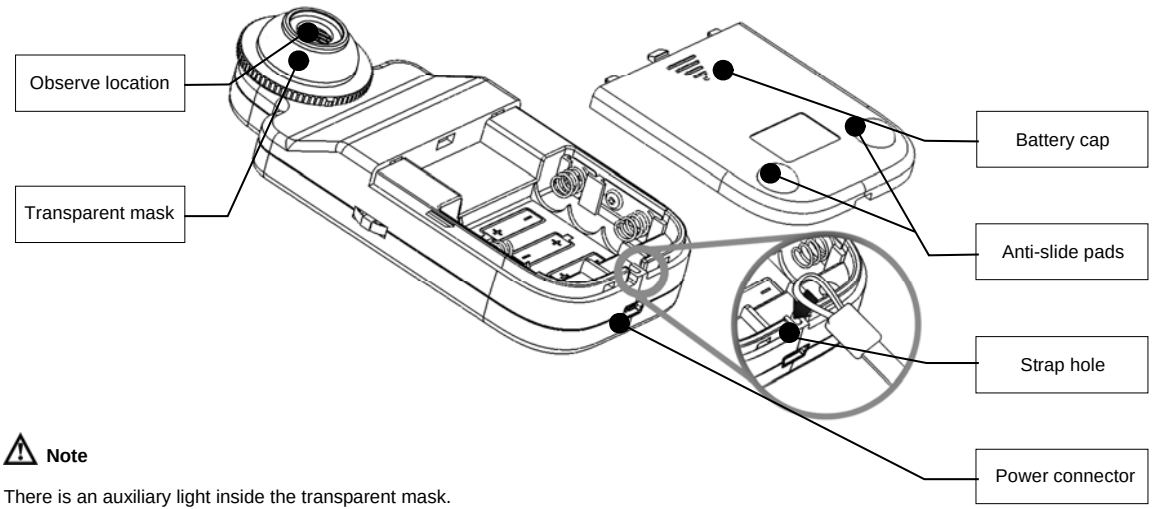
- The specially processed flannel surface (the side with ViTiny mark) is for clearing the dust on ViTiny, display or lens.
- The other side with micron-sized filaments (the side without ViTiny mark) is for removing the fingerprints or smear on ViTiny or the lens.
- To prevent the dust on lens wipe from scratching ViTiny or the lens, washing the lens wipe after wiping ViTiny each time. (Do not use fabric softener or bleach to wash the lens wipe.)

Names of Different Parts

Front View of ViTiny



Rear View of ViTiny



Note

There is an auxiliary light inside the transparent mask. After ViTiny is turned on, do not watch the auxiliary light directly because the white light injected from it may damage the eyes.

Start to Use

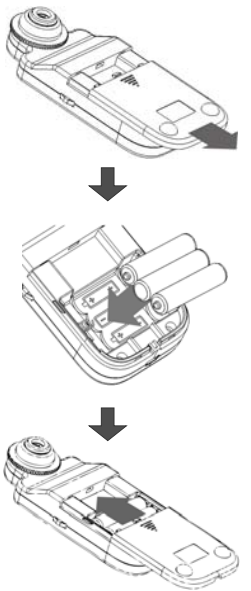
Power Supply

Using the AAA Batteries

You can use AAA nickel metal hydride battery, alkaline battery or Ni-MH rechargeable battery to supply power for this product.

Install Instruction:

- If ViTiny has been turned on, press the Power button（⏻） for 2 seconds to turn off the power of ViTiny.
- As shown in the figure, open the battery cap in the instructed direction.
- Install the batteries in the right direction (watch the electrodes of batteries).
- Close the battery cap. Make sure that the battery cap is really closed.



⚠ Notes

- This Product is restricted to use AAA nickel metal hydride battery, alkaline battery, Ni-MH rechargeable battery to supply power. Please make sure the batteries on ViTiny tally with standard.
- The life of battery depends on the kinds of battery. It is suggested to use alkaline battery or Ni-MH rechargeable battery.
- If ViTiny shall not be used for a long time, take out the batteries to prevent corrosion or leakage of battery fluid.
- To prevent damage of product, install the batteries in proper directions.
- Any battery with battery fluid leakage, rust corrosion, damage or other defective problem is prohibited.
- To prevent danger, do not have mixed use of different kinds of batteries.

Using the Adaptor or the Computer Power

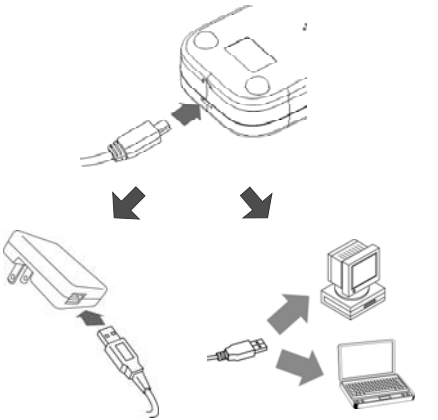
If you are intend to use ViTiny for a long time, it is suggested to use adaptor to supply power.

Procedures:

- If ViTiny has been turned on, press the Power button(⏻) and hold for 2 seconds to turn off the power of ViTiny.
- Take out the accessories of adaptor and mini USB Cable. Follows the figure to connect one extremity of the mini USB Cable to power hole of ViTiny, and another extremity of the mini USB Cable to the USB hold of adaptor,
- Plug the adaptor into the outlet.
- If you want to use the computer power to supply power, please connect one extremity of the mini USB Cable to the power hold of ViTiny, another extremity of the USB Cable to the USB hold of computer. To make sure the computer power is turned on.

⚠ Notes

- Please use ViTiny's adaptor attached in accessories. Any damage of ViTiny caused by the wrong use of adaptor shall not be included in the guarantee range of ViTiny.
- Using for a long time, it is suggested to use adaptor to supply power, and it is better to take out batteries.
- To keep the efficiency of batteries, please take out the batteries inside ViTiny before connect adaptor if the batteries of ViTiny do not need to be charged.

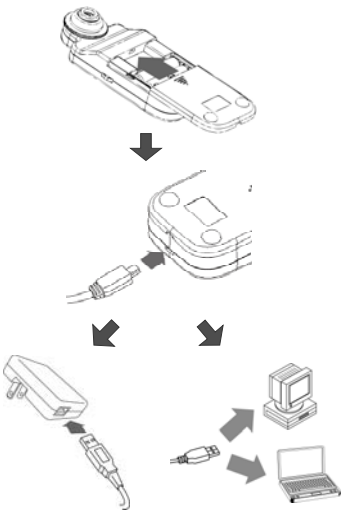


Regarding Charging

You can use ViTiny's adapter attached in accessories to charge the Ni-MH rechargeable batteries inside ViTiny, and you also can charge the rechargeable batteries by computer power through connecting with mini USB cable.

Procedures:

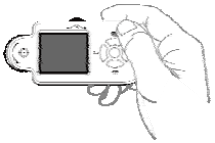
- Please Install the Ni-MH rechargeable batteries into ViTiny. (Refer order of installation of AAA batteries to Page 9.)
- Take out the accessories of adaptor and mini USB Cable. Connect one extremity of the mini USB line to the power hole of ViTiny, another extremity of the mini USB Cable to the USB hold of adaptor, and you can refer the way shown in the figure.
- Plug the adaptor into the outlet.
- If you use the computer power to supply power, please connect one extremity of the mini USB Cable to the power hold of ViTiny, another extremity of the USB Cable to the USB hold of computer. To make sure the computer power is turned on.
- Under rechargeable mode, when you turn on ViTiny, the charging icon（ ） will show on the screen, and while the charging icon（ ）disappeared means charging has been finished.



Notes

- Charging function only can be used to the standard Ni-MH rechargeable battery. Please confirm the battery category before charging, and do not use non-rechargeable battery to charge to prevent the damage of ViTiny or battery,
- To avoid that ViTiny charged the wrong type batteries to make danger or damage of battery, please take out batteries if you do not want to charge the batteries while ViTiny connect the mini USB Cable to PC or to adaptor.
- To prevent danger, forbid to use rechargeable batteries and non-rechargeable batteries together.

Power Button



When you want to turn on ViTiny, press the Power button（⏻）for 2 seconds to turn it on. When ViTiny is turned on, the ViTiny logo (as shown on the left of figure) will be shown on the screen. Now ViTiny is being starting and cannot be operated yet. When the logo disappears, it means that ViTiny has been turned on and can be used for observation.

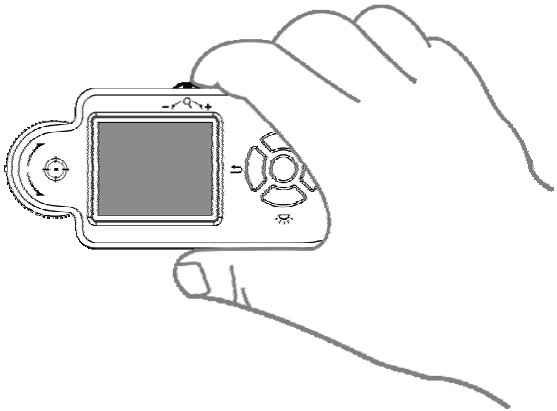
On the contrary, when ViTiny has been turned on, press the Power button（⏻） for 2 seconds to turn it off.

Notes

- When you can't turn on ViTiny successful, please change a new battery or use USB cable power supply or , because the batteries inside ViTiny has been exhausted. If the batteries without enough power to start ViTiny, the LED light will flash once when you turn on ViTiny.

Basic Operation

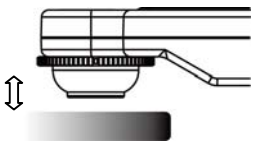
If you are first time to use ViTiny, you can refer to the following way to hold ViTiny for operation. Let ViTiny lie horizontally with the lens facing the left. Use your right hand to hold the right hand side of ViTiny by taking the principle of not covering the display screen. Use the index finger to operate the 3-Way Fast Rotation button.



Observation Mode

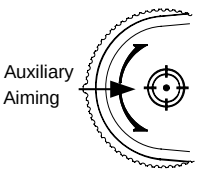
Observing an Object

After the power is turned on, ViTiny enters the Observation Mode. Right now on the screen, the immediately magnified images will be shown. Let the observe hole get close about 0.5~1cm to the observed object, then you can see a magnified image of the observed object. If the image displayed is blurred and unclear, move ViTiny up and down and adjust the distance between the lens and the observed object until a clear image is acquired.



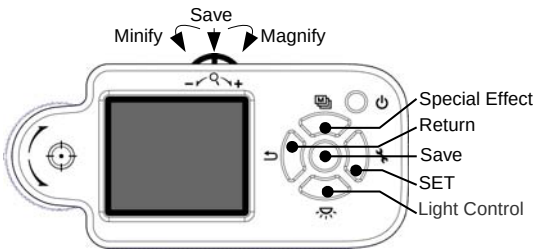
Operation Tips:

If you want to observe a specific target, the central point at the upper part of the lens can help you aim at the observed object.



Basic Function of Observation Mode

After the power is turned on, ViTiny enters the Observation Mode. The functions of the buttons are as follows:



Power-Saving Tips

You can set the power saving mode to save your power if you don't operate ViTiny for a long time. When ViTiny has been idle (no button is pressed) for some time, it will enter the Power-Saving Mode automatically so as to save the power of battery. In Power-Saving Mode, the display screen will be turned off, and the LED will be flashing. You can press any button to back observation mode. After 2 minutes from under the Power-Saving Mode, ViTiny will be auto-shutdown by itself if you don't press any button.

The Buttons' function and 3-way Rotation Button

The Buttons' function

- **Power :** When ViTiny has been turned off, press the Power button (⏻) and hold for 2 seconds to turn it on. On the contrary, when ViTiny has been turned on, press the Power button (⏻) and hold for 2 seconds to turn it off.

- **Image Effects :** In the Observation Mode, press the Image Effect button (🖼) to select different image effect modes, included gray, emboss, inverse, dual-window and scale. (Refer to Page 17 for more detail introduction.)

- **Return :** When you enter Setting mode , Per-View mode or other function menus, you can use this button (⮌) to back your observation mode. And this button is also Photos-View mode function. In observation mode, you can browse your saved photos by pressing this Button.

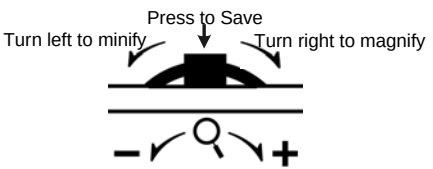
- **SET :** Under the Observation Mode, press SET button (🔧) to enter the Setting Mode. (Refer to Page 17 for more detail introduction.)

- **Save :** Press the Image Saved button to capture the current image on the display screen, and you can choose if you want to save or discard.

- **Light Control :** Under the Observation Mode, you can control the light by press light control button(🔦). Please turn off the LED light while the light is enough of the observed object itself or environment to avoid overexposing by the light is too bright. Under the Observation Mode, if the screen appears unclearly, please turn on the light of LED, because it means that light is not enough.

The Function of 3-way Rotation Button

- **Magnify：**Under the Observation Mode, press the 3-Way Rotation button to the right to increase the magnifying rate. If you press and hold the Magnify button continuously, the magnifying rate can increase continuously up to 20 diameters maximum.
- **Minify：**Under the Observation Mode, press the 3-Way Rotation button to the left to decrease the magnifying rate. If you press and hold the Minify button continuously, the minifying rate can decrease continuously up to 5 diameters minimum.
- **Save：**Under the Observation Mode, press the 3-Way Rotation button to save the observed image to embedded storage. In captured mode, you can choose if you want to save or discard. After saving, Vitiny will resume to common observation mode.



📖 **Operation Tips:**

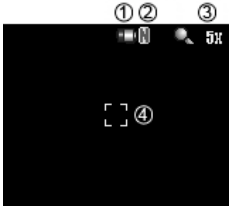
Under the Observation Mode, you also can use the middle button of front view of ViTiny to freeze image, because the button function is the same with middle button of press3-way rotation button. You can choose one to operate by yourself.

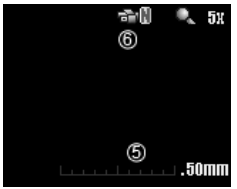
📖 **Operation Tips:**

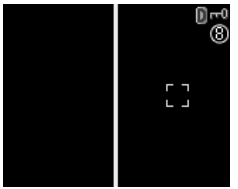
When freezing an image, you cannot operate other functions. The locking can only be released by pressing the Freeze button again.

Status Display

At the upper part of the screen, there is a Status Display showing the current operation statuses, which are described as follows:







	Icon	Name	Description
①		Battery Low	When the power of batteries is going to be used up, this icon is shown and flashes continuously. When the power of batteries is full, this icon will not appear.
②	N	Image Effect	It shows that the current image effect is a Normal Mode.
②	G	Image Effect	It shows that the current image effect is a Gray Image Mode.
②	I	Image Effect	It shows that the current image effect is a Inverse Image Mode.

	Icon	Name	Description
②	E	Image Effect	It shows that the current image effect is a Emboss Image Mode.
②	D	Image Effect	It shows that the current Image effect is Dual-Window View Mode.
③	5X	Magnifying	The current magnifying rate is shown.
④		Central indication frame	Central position of lens. Press the Special Effect button ( ) and hold for 2 seconds to switch to the scale.

	Icon	Name	Description
⑤		Scale	Press button of ( ) Image effects for 3 minutes to show scale. The value in the right of scale is length for 1 unit of each section, and value will be change when you zoon in the objects.
⑥		Power Supply by USB or adapter	When you use USB Power Supply instead of battery, the icon will show on the monitor.
⑦		Charging	When the battery is charging, the icon will show on the monitor.
⑧		Freeze	Freeze image, this icon(Key) appears.

Scale Description

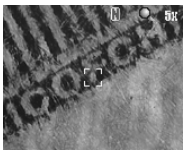
Press button of( )Image effects for 3 minutes to show scale. The value in the right of scale is length for 1 unit of each section, and value will be change when you zoon in the objects.

Image Effects

In the Observation Mode, press the Image Effect button (🖐) to select different Image Effect Modes, included gray, emboss, inverse, dual-window and scale.

Normal Mode

When the image is shown in original colors, the icon **N** will appear in the Status Display.

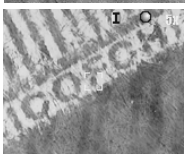


Gray Mode

During gray image processing, the icon **G** will appear in the Status Display.

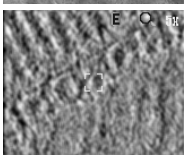
Inverse Mode

During inverse image processing, the icon **I** will appear in the Status Display

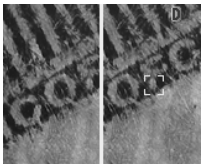


Emboss Mode

During emboss image processing, the icon **E** will appear in the Status Display.

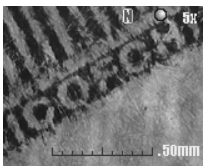


Dual Windows View



Under this mode, an image magnified at the least magnifying rate will immediately show on the right half of the screen, and an image magnified at the largest magnifying rate will immediately show on the left half of the screen. Under this mode, the icon **D** will appear in the Status Display. Besides, under this mode, you can't operate function of magnifying and minifying, but you still can freeze the image or use image effects.

Scale/Central Indication Frame Mode



The value in the right of scale is length for 1 unit of each section, and value will be change when you zoon in the objects. You can press button of (🖐) Image effects for 3 minutes again to back Central indication Frame Mode.

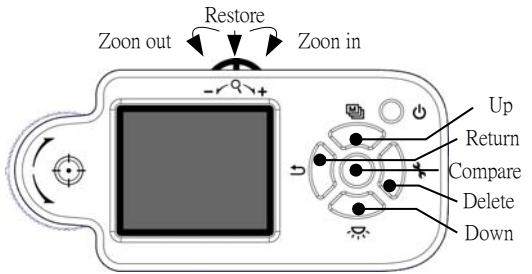
📖 **Operation Tips:**

Under the Dual-Window View Mode, the scale display cannot be reached. The central aiming frame can only be shown in the window on the right hand side.

Photos-View Mode

Basic introduction

Press Return (⮌) button when you are under observation mode, and you can enter Photos-View Mode (refer left figure). On top of right side will show (A/B). The value “A” indicates the sequence of photo, and value “B” means how many photos were saved in the storage of ViTiny. On the bottom will show what kind of function you can operate under Photos-View Mode, and you can refer the below figure for each Function buttons.

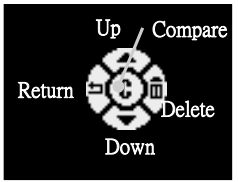


📖 **Operation Tips:**

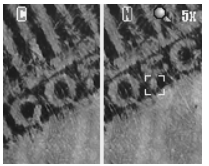
When you enter Photo-View Mode, you will find the latest saved photos show on the screen.

Button and 3-way rotate button Function

Button introduction



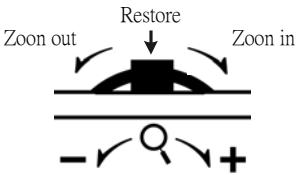
- Up page (🖙): Press Up button to view photo in front page.
- Down page (☚): Press Down button to view photo in next page.
- Return (⮌) Press Return button to back to common observation mode.
- Compare (C): Under Photos-View Mode, press compare mode button, and display will show dual screens. The left screen is showing your saved image as a standard image, and right screen will show your now observed image for comparing. You still can use image effects when you enter compare mode, and please refer compare mode introduction page 21.



- Delete (🗑): Under Photo-View mode, press delete button can delete your saved image, and you can choose “YES” to delete photos, or choose “NO” to back Photo-View Mode.

3-Way Rotate button introduction

- Zoon in : Under Photo-View Mode, Press 3-way rotate button to right can zoon in the image.
- Zoon out : Under Photo-View Mode, Press 3-way rotate button to right can zoon out the image.
- Restore : Under Photo-View Mode, Press 3-way rotate button can restore the image original size. ◦

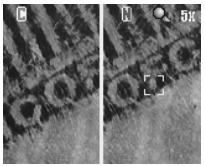


⚠ Notice

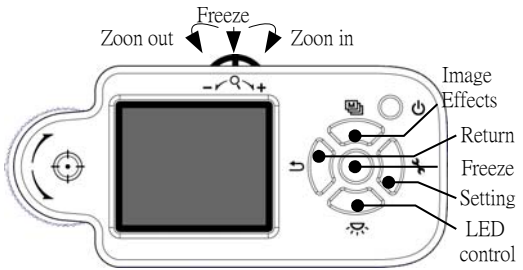
A Deleted image can't be read again. Please make sure you have backup your saved image to PC or the image will be not read in the future, and then you can delete saved images.

Compare Mode

Basic Function



Under Photo-View Mode, you can press up button ( ) to view the front photo and down button ( ) to view next photo. Press (**C**) to enter compare mode When you want to compare the image which you are viewing, (refer left figure). Under Photos-View Mode, press compare mode button, and display will show dual screens. The left screen is showing your saved image as a standard image, and right screen will show your now observed image for comparing. Bellows are button functions.



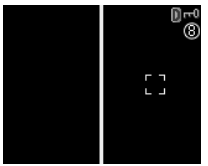
Button and 3-Way rotate button function

Button Function

- **Image Effects :** Under compare mode, press image effects button ( ) to choose image effects of gray, Inverse, or Emboss for comparing with different image captured with different image effects.

- **Return :** Press Return button ( ) to back observation mode or leave setting menu. Press Return button ( ) to back Photo-View Mode when Under Compare Mode.

- **Freeze :** Press Freeze button to freeze the comparing image under Compare Mode, and press again to release the freeze image.



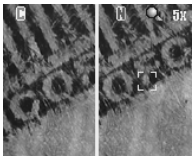
Operation Tips:

You cannot save image when you are in Compare Mode, and please return to common observation mode to save your image.

Image Effects under compare mode

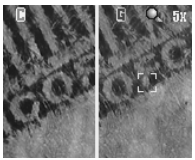
Normal

When the image is shown in original colors, the icon is N.



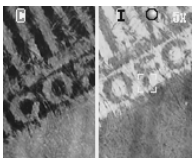
Gray

When the image is shown in gray colors, the icon is G.



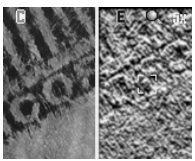
Inverse

When the image is shown in Inverse mode, the icon is I.



Emboss

When the image is shown in Emboss mode, the icon is E.



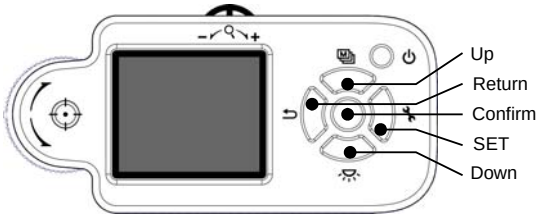
📖 **Operation Tips:**

Under Compare mode, the image in left screen is a saved image, so you cannot use any image effects on it.

Setting Mode

Setting of Functions

Under the Observation Mode, press SET button（） to enter the Setting Mode. The functions of the buttons are shown below.。



The Function of Button

- **Up：**Under Setting Mode, press Up button to choose your setting item.
- **Down：**Under the Setting Mode, press down button to move to next item.
- **Confirm：**Under the Setting Mode, press Confirm button to enter the related Menu of Functions
- **Return：**Under the Setting Mode, press Return button（） to turn back to the upper stratum of mode or go away from setting mode.

Menu of Functions

There are several settings in the Menu of Functions as follows:

- Power Saving : Set the Power Saving Mode.
- Status Display : Set the appearance of Status Display or not.
- Brightness : Set the brightness of screen.
- White Balance : White balance on/off setting.
- Delete all pic : Delete all saved image.
- Factory Default : Resume the original setting.

Procedures:

- Press Up or Down button to select the setting item you want.
- Press Confirm button to save setting or enter next stratum.
- Press Return button（） to go back the Menu of Functions.

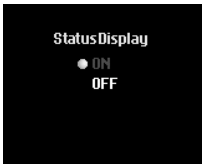
Set the Time to Enter Power Saving Mode

After ViTiny is turned on, if no button is pressed within the preset time, ViTiny will enter Power Saving Mode immediately. Under the Power Saving Mode, the screen will be turned off, but the LED lighting continues to flash. There are five options that are 1, 2, 5, 10 minutes and Never of power saving time for you to choose. The never option means never start power saving. If you don't press any button when ViTiny enter to Power Saving Mode, ViTiny Will be turned off automatically after 2 minutes.

📖 **Operation Tips:**

If it is set at Never (never enter Power Saving Mode), ViTiny will not shutdown automatically.

Status Display



When setting to view the screen again, you can select whether the Status Display will appear or not. ON refers to "appear" and OFF refers to "do not appear" (being "ON" by default).

Setting of Brightness

There are 3 options for the LCD brightness. (Being "Brightest" by default.)

Brightest **General** **Dim**

📖 **Operation Tips:**

The LCD brightness will be changed immediately while you select the different item.

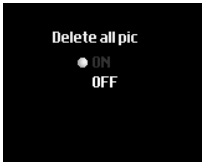
White Balance

To turn on/off the auto balance function.

If you turn on the Auto White Balance function, you will find the objects become more clearly, but you may find the color show on monitor is different from observed objects. If you turn off the Auto White Balance function, you can view a real color from the monitor, but maybe it is not easy to observation the image gradation.

Delete all pic

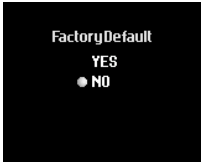
You can delete all saved image in the ViTiny. To choose “YES” will delete all photos in the ViTiny, and choose “NO” will back to setting men. If you want to delete only 1 or 2 photos , please enter Photo-View Mode, and you can refer page 20 ◦



Resume to Factory Default

Resume all the settings to Factory Default.

Select Yes and press Freeze button. Then all the settings shall resume to their original values, and ViTiny will return to the Menu of Functions.



If you do not want to resume the Factory Default, you can press Return button（ ） to return to the Menu of Functions.

PC connection setting

Driver Installation

You can transmit captured image to PC by mini USB cable. Please install the right driver through ViTiny Disc attached to ViTiny. If you lost the disc or read disc error, please connect to ViTiny website to download the right driver at www.t-plan.com.tw.

Step1: Put right ViTiny disc to your CD-ROM.

Step2: Use Mini USB cable to connect with PC, and you can refer Page 10. After connection successful, you also can charge your rechargeable battery inside.

Step3：Computer will detect the new hardware you are plugging in as follows.

Step4: Start the genie of adding new hardware setting automatically.

Step5: Direct the driver path to CD-ROM.

Step6: Searching the right driver from CD-ROM.

Step7: Install completely.

Application Program introduction

You can find the application program for ViTiny transmission from ViTiny CD, and this program can help you to transmit captured image to PC easily.

Please copy the program named Fun 50.exe under application folder to your PC, and you can click twice to start the program.

The style of Application Program

The buttons function：

File：Alt + F. That can end this program.

Help：Alt + H. That can read help file.

Connect：To detect ViTiny.

Download：To download file list to PC.

Upload：To upload image to ViTiny.

Save：Save a single image you are choosing to PC.

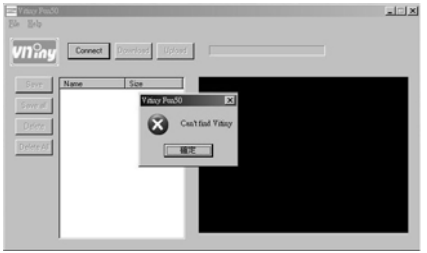
Save all：Save all images from ViTiny to PC.

Delete：Delete single image you are choosing.

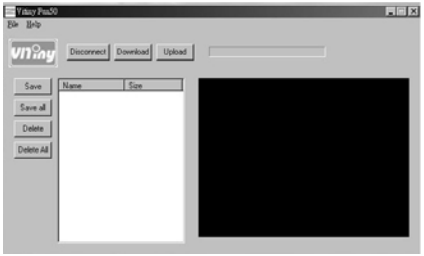
Delete all：Delete all images in ViTiny storage.

Start PC connection

To click connect button, and program will search ViTiny. If you didn't connect Fun 50 when program was searching ViTiny, the program will show "Can't find ViTiny".



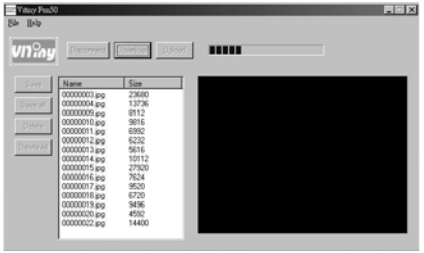
If you had connected ViTiny when program is searching, the program will show ViTiny Found means connecting is successful that you can use all function buttons on this program



If you want to disconnect with ViTiny, click Disconnect.

To download the image file list

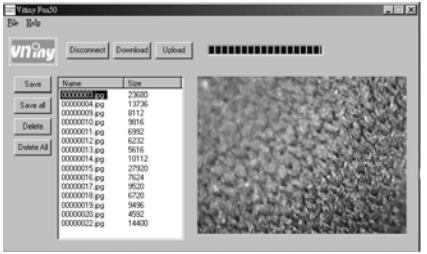
To click Download button, and program will start to download image file list to PC, and you cannot do anything when downloading.



Download is finishing will show as follows.

Preview image file

You can choose an image file from image list, and a chosen image will show on the right windows.



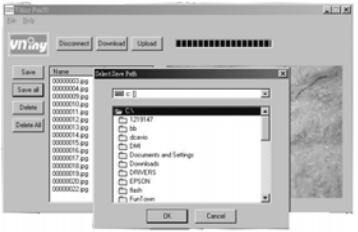
To upload image to ViTiny

You can use ViTiny program to upload image from PC to ViTiny. To click Upload button, you can choose an image from your PC.

Save image from ViTiny to PC

You can click “Save” button to save a captured image from ViTiny to PC.

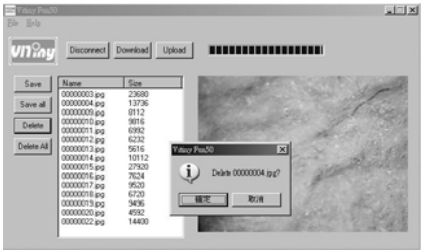
You also can click “Save all” button to save all of captured images from ViTiny to PC by choosing a folder from PC.



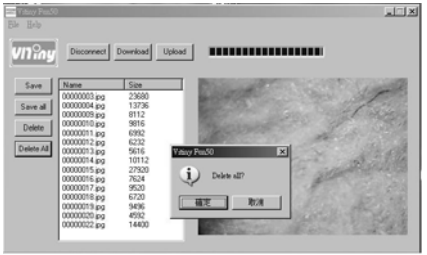
To click “OK” that program will saving all captured image from ViTiny to PC after you chose a PC folder.
You cannot create a new folder in this version of program, so please create a new folder that you want to save ViTiny images by windows manager.

Delete image from ViTiny

To click “Delete” button to delete single image from ViTiny that you were chose.



To confirm you deleted a right image, and click OK.
If you want to delete all images in ViTiny, you can click “Delete all” button.



It is impossible to recall image files you deleted, so before you delete images, please make sure you had saved images from ViTiny to PC or you will not read those images.

Maintenance and Trouble Shooting

Maintenance

To ensure continuous use of ViTiny, please follow the notes below when storing or using ViTiny.

Keep dry

Do not put ViTiny in a humid environment. A dry environment is helpful to extend the life of ViTiny.

Avoid sudden temperature change.

Sudden temperature change may form dews inside ViTiny, just like entering a warm indoor space in a cold winter. To avoid forming dew, please put ViTiny inside a handbag or plastic bag in advance so as to prevent sudden temperature change. Besides, do not use ViTiny in an environment at an excessively high or low temperature (acceptable at 5oC ~ 50oC).

Do not let the lens face the strong light for a long time.

When using or storing ViTiny, avoid letting the lens face the sun or other strong light source for a long time. Powerful light may damage the sensitive component, and cause white spots on the screen.

Turn off ViTiny before cutting the power or removing the batteries.

When ViTiny has been turned on, do not cut the power or remove the batteries. Any forceful cutting of power or removal of batteries may cause the loss of information or internal circuit damage inside ViTiny.

Keep ViTiny away from strong magnetic fields.

Do not use or store ViTiny at an area of strong magnetic field or around any device, which may cause strong magnetic field. For example, the strong static electricity or magnetic fields sent out from radio, television, etc. may affect the screen or the working current inside ViTiny.

When ViTiny is not in use.

When ViTiny is not in use, shut it down and remove the batteries or unplug the power wire. Put ViTiny in a dry place with good ventilation. Do not place ViTiny around any device (e.g. radio, television) which may cause strong magnetic field. Also do not expose ViTiny to any space below 5oC or above 50oC (e.g. beside a heater or inside the garage in hot season).

Carefully install and dismantle the transparent shell and moveable parts.

Avoid touching the lens and do not forcefully dismantle the transparent shell or squeeze the screen, power wire or battery cap because all these parts can be damaged easily.

Avoid impact, falling.

If being powerfully impacted, vibrated or distorted, ViTiny may be malfunctioned.

Cleaning

Lens and Transparent Shell

When the transparent shell is dirty, use the lens wipe to clean the lens. When the lens is dirty, unroll the transparent shell first. Use a blower (a small tool with a rubber ball at one end and an outlet at the other end for the air to be squeezed out) to blow away the dust, or use a lens wipe to remove the dust on the lens lightly, but not with force.

Screen

Use a blower to remove the dust, or use a clean lens wipe to clear the dust lightly and carefully, but not with force.

Body of ViTiny

Use a blower to remove the dust or grains, and then use a dry lens wipe to wipe the body of ViTiny lightly. Avoid the entry of foreign matter into ViTiny. Any entry of foreign matter into the body of product may cause damage to ViTiny.

Notes

- Do not use alcohol, diluents or other volatile chemical substances to wipe the body.

Warning Signs

The warning signs displayed on the screen and the handling methods are indicated in the following table:

Display	Problem	Solution
(Low energy battery signal)	Inadequate power in batteries.	Turn off ViTiny, and replace the old batteries by full-power batteries.

Diagnosis of Malfunction

If your product cannot be operated normally, before you contact the retailer or ViTiny agent, please read the List of Problems below.

Problem	Possible Reasons
Blank screen	⇨The product is at shutdown status. ⇨The screen is at shutdown status (Power Saving Mode). ⇨The batteries have not been correctly installed in the battery chamber (when power is supplied by batteries). ⇨The power of batteries has been used up (when power is supplied by batteries). ⇨The power has not been correctly connected to ViTiny or power supplier, or the power supplier has not been plugged to the socket (when power is supplied by power supplier).
ViTiny shuts down without any warning sign.	⇨Insufficient power
No hinting sign is shown on screen.	⇨The hinting function on screen may have been turned off. Enter Menu of Functions to turn on the function of Status Display (see page 19).
The auxiliary light flashes and the screen are blank.	⇨ViTiny has entered Power Saving Mode (see page 19).
No hinting sign is shown on screen, and the image is fixed and unchanged.	⇨The hinting function on screen may have been turned off, and the Freeze button may have been pressed. Press the Freeze button again to release the lock status (see page 13). Enter Menu of Functions to turn on the function of Status Display (see page 19).
The screen is unclear.	⇨The surrounding light is too strong. Move ViTiny to a darker position. ⇨The brightness of screen needs to be adjusted (see page 19).

	⇨The screen is dirty and needs cleaning.
The screen is unclear.	⇨The surrounding light is too strong. Move ViTiny to a darker position. ⇨The brightness of screen needs to be adjusted (see page 19). ⇨The screen is dirty and needs cleaning.
The image is blurred. (The focal distance is not precisely achieved.)	⇨Adjust the transparent shell to get a suitable focal distance (see page 13).
Power cannot be turned on.	⇨The batteries have no power (when power is supplied by batteries). ⇨The batteries are wrongly installed for the electrodes are not properly matched (damage may be caused to ViTiny). ⇨The power wire has not been correctly connected to ViTiny or the power supplier. Or the power supplier has not plugged to the socket (when power is supplied by power supplier).

⚠ Notes: Under very few circumstances, weird characters appear on the screen, and ViTiny may stop working. Generally speaking, this situation may be caused by strong external static electricity. Please shut down ViTiny and replace the old batteries by the new ones, and then restart ViTiny. If you use power adapter to supply ViTiny's power, please unplug the power first, and then connect with the power again and restart ViTiny.

Specifications : For ViTiny Fun50 series

Item	Description
Sensitive component	CMOS
Effective pixels	300,000 pixels
Lens	High sensitivity lens
Auxiliary light	White LED × 3 with super high brightness
LCD screen	1.8” TFT color LCD screen
Magnifying rate	5x ~ 20x
Plug	DC IN terminal (mini USB plug)
Resolution for saving Image	320 x 240 pixels
Power	Three UM-4 AAA, RO3, 1.5V batteries. (suggest battery brand : Panasonic、Sony、Sanyo、Nexcell) AC transformer (Output: DC 5.0-12V/300mA-1000mA; Input: AC 100-240V 50/60Hz)
Size	120 × 56 × 25 mm
Weight	The weight of ViTiny is about 70 grams (not including batteries)
Operation System support	Windows ME、Windows 2000、Windows XP、Windows 2003、Windows Vista。
Operation environment	Temperature: 5oC ~ 50oC Humidity: Below 85% (no dew)

※ The design and specifications are subject to change without notice. (Please refer to our website at www.t-plan.com.tw for any revision or change.)

LIMITED WARRANTY

HARDWARE & SOFTWARE LIMITED WARRANTY

T-PLAN TECHNOLOGY CO., LTD. warrants to the original purchaser (“Purchaser”) i.e. distributor or reseller of **VITINY** products (“Product”) that the Product will be free from flaws in material or workmanship for ONE year from the date of purchase. If a Product fails during the Warranty Period due to a defect in material or workmanship, T-PLAN as its sole responsibility and Purchaser’s sole and exclusive remedy will, at its opinion, either repair or replace the Product with the same or later version that performs substantially the same function as the one being replaced. The Limited Warranty is contingent upon proper use of the Product and does not cover any Product that has been damaged by misuse, accident, neglect, disaster, improper installation, improper test, or abuse nor by any Product has been altered, modified, or replaced by anyone other than T-PLAN.

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Any Product requiring service during Warranty period should be returned to T-PLAN in accordance with the “Return Material Authorization” process set forth in documentation for that Product and in the current T-PLAN Products and Services Guide.

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